Philips 7800 series
Ultra Slim Smart 4K Ultra HD LED TV with Ambilight 2-sided and Pixel Precise Ultra HD

106 cm (42")
4K Ultra HD LED TV
Quad Core
DVB-T/T2/C/S/S2

42PUS7809

Ultra Slim Smart 4K Ultra HD LED TV

With Ambilight 2-sided

Ultra HD with you in mind: the Philips 7800 series 4K Ultra HD TV. Packed with features, it's a feast for the senses combining stunning 4K resolution, Ambilight, 3D and Ultra Slim dimensions to take your breath away.

Light up your life. Love it. Live it.
- Ambilight changes the way you look at TV forever

A TV that's more than Smart, it's beautiful
- Frameless design: no bezel means more TV to love
- Finishing touches: a TV that looks as great as it performs
- Ultra Slim lines for a refined profile

A picture so real, you'll forget it's TV
- 4K Ultra HD: resolution like you've never seen it before
- Pixel Precise Ultra HD: discover vivid Picture Quality
- 600Hz PMR Ultra HD for flawless moving images

Connect, communicate, record and share
- From apps to Cloud TV: more online entertainment than ever
- Wi-Fi Miracast™—mirror your smartphone screen to your TV
- Multiroom TV—share live TV and recordings between TVs
- Keyboard remote control makes texting easy

ambilight 2 QuadCore A+ PHILIPS

Ultra Slim Smart 4K Ultra HD LED TV with Ambilight 2-sided and Pixel Precise Ultra HD

106 cm (42") 4K Ultra HD LED TV, Quad Core, DVB-T/T2/C/S/S2

42PUS7809/12

Highlights

Ambilight 2-sided
You've created a home that's more than just a house, so why not choose a TV that is warm and inviting too? Philips unique Ambilight technology makes your screen much wider—and your viewing experience more immersive—by projecting an extra wide glow from two-sides of your TV screen onto the surrounding wall. Color, vibrancy and excitement move beyond the screen and into your living room, bringing with it a more thrilling, intense and immersive viewing experience.

Frameless design
Sleek. Minimalist. Discreet. Our frameless bezel is beautifully crafted from high quality glass and edged with an ultra thin aluminum wrap; minimizing the frame and maximizing your viewing.

Authentic materials
Your home represents your style. Our designer's chose subtle, sophisticated colors and finishes and combined them with authentic, quality materials like aluminum to create a TV design that blends seamlessly with your interior.

Ultra Slim profile
Sleek. Cutting edge. Refined. Precise. The Philips Ultra Slim silhouette. That something so slim can inspire so much interest shouldn't be surprising, given how much sophistication it will bring to your décor.

4K Ultra HD Resolution
See TV like never before thanks to four times the resolution of a conventional Full HD TV. 3840 x 2160 pixels provide an image so refined, so lifelike, it's a window to a new world.

Pixel Precise Ultra HD
The beauty of 4K Ultra HD TV is in savoring every detail. The picture processing algorithms of our Pixel Precise Ultra HD engine convert any input picture into UHD resolution on your screen. The result? Whether you watch a video online, or native 4K Ultra HD content, you'll experience exceptional sharpness, motion, clarity, color and contrast from Philips.

600Hz PMR Ultra
Nothing beats the adrenaline rush of gaming, fast paced sporting events or action films on an Ultra HD TV. That's why this Philips TV has 600Hz Perfect Motion Rate Ultra; so you'll enjoy flawless moving images in Ultra HD resolution. Because even though your pulse may jump, the image you're watching shouldn't.

Apps, Cloud TV* & Explorer
Imagine an ever-growing Smart app portfolio on your TV. From YouTube to music, Video On Demand and more, you can customize which apps you add to your dashboard. Want more? Explore Cloud TV. With hundreds of premium international channels, it's a great way to watch your favorite shows and discover what's popular on the other side of the world. With Cloud Explorer, you can access Dropbox™ TM to view (and share) your favorite photos and videos on the big screen.

Wi-Fi Miracast™*
Mirror what you see on your smart device and share it with friends and family on your TV. From photos to videos, games and more, mirror anything from your smartphone and tablet to your big screen with a simple command.

Remote Control with Keyboard
Keyboard remote control makes texting easy

Ambilight 2-sided
Ambilight changes the way you look at TV forever

You've created a home that's more than just a house, so why not choose a TV that is warm and inviting too? Philips unique Ambilight technology makes your screen much wider-and your viewing experience more immersive-by projecting an extra wide glow from two-sides of your TV screen onto the surrounding wall. Color, vibrancy and excitement move beyond the screen and into your living room, bringing with it a more thrilling, intense and immersive viewing experience.

Quad Core
Quad Core for 4K Ultra HD images and super fast Smart TV

The power of multiple cores-spread over multiple processors-increases the overall speed of running applications while processing all images in real time. This provides you with vivid 4K Ultra HD picture quality regardless of the content; allowing you to enjoy the clearest images, make video calls, and chat super-fast…and all on your Ultra HD TV.

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106 cm (42") 4K Ultra HD LED TV, Quad Core, DVB-T/T2/C/S/S2

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Specifications

Ambilight
- Ambilight Version: 2 sided
- Ambilight Features: Built in Ambilight+hue, Wall colour adaptive, Gaming mode, Lounge light mode

Picture/Display
- Display: 4K Ultra HD LED
- Diagonal screen size: 42 inch / 106 cm
- Panel resolution: 3840x2160
- 3D: Passive 3D, 2 Player Full Screen Gaming*, 2D to 3D conversion
- Aspect ratio: 16:9
- Brightness: 450 cd/m²
- Pixel engine: Pixel Precise Ultra HD
- Picture enhancement: Perfect Natural Motion, Micro Dimming Pro, 600Hz PMR Ultra, Ultra Resolution

Smart TV
- Interactive TV: HbbTV
- SmartTV apps*: Catch-up TV, Spotify, Online apps, Online Video stores, Open Internet browser, YouTube
- Social TV: Facebook, Skype, Twitter

Smart Interaction
- Remote Control: with Keyboard
- User interaction: Cloud TV* and Cloud Explorer, DropboxTM, SimplyShare, MultiRoom Client and Server, Wi-fi Miracast Certified*
- Program: Pause TV, USB Recording*
- Ease of Installation: Auto detect Philips devices, Device connection wizard, Network installation wizard, Settings assistant wizard
- Ease of Use: Home button, Smart TV button, Watch TV button, Onscreen Usermanual
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade
- Screen Format Adjustments: Basic - Fill Screen, Fit to Screen, Advance - Shift, Zoom, Stretch
- My Remote App*: Control, Simply Share, TV Guide, Wi-fi Smart Screen

Processing
- Processing Power: Quad Core

Sound
- Output power (RMS): 25W (15W + 10W)
- Sound Features: Smart Stereo, Ambi wOOx, Natural Sound
- Sound Enhancement: Incredible Surround, Incredible Surround 3D, Clear Sound, Auto Volume Leveller, Dynamic Bass Enhancement, Smart Sound

Connectivity
- Number of HDMI connections: 4
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 3
- Wireless connections: Integrated Wi-Fi 11n, 2x2 Dual band
- Other connections: CI+1.3 certified, Antenna IEC75, Common Interface Plus (CI+), Ethernet-LAN RJ-45, Digital audio out (optical), Audio L/R in, Headphone out, Service connector
- HDMI features: 3D, 4K, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Auto subtitle shift (Philips)*, Pixel Plus link (Philips)*, One touch play
- HDCP 2.2: Yes on HDMI1

Supported Display Resolution
- Computer inputs on all HDMI: up to FHD 1920x1080@60Hz, 4K Ultra HD 3840x2160@30Hz
- Video inputs on all HDMI: up to FHD 1920x1080p, @ 24, 25, 30, 50, 60Hz, up to 4K Ultra HD 3840x2160p, @24,25,30Hz

Multimedia Applications
- Video Playback Formats: Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, 3GP
- Subtitles Formats Support: .AAS, .SMI, .SRT, .SSA, .SUB, .TXT, MKV/SRT
- Music Playback Formats: AAC, AMR, LPCM, M4A, MP3, MPEG1 L1/2, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG, BMP, GIF, JPS, PNG, PNS

Tuner/Reception/Transmission
- Digital TV: DVB-T/T2/C/S/S2, Astra HD+ support, Freeview HD*
- MPEG Support: MPEG2, MPEG4
- Video Playback: NTSC, PAL, SECAM
- TV Program guide*: 8 day Electronic Program Guide
- Signal strength indication
- Teletext: 1000 page Hypertext

Power
- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Eu Energy Label power: 53 W
- Annual energy consumption: 73 kW·h
- Energy Label Class: A+
- Standby power consumption: < 0.3 W
- Power Saving Features: Auto switch-off timer, Light sensor, Picture mute (for radio)
- Off mode power consumption: < 0.3 W

Dimensions
- Box dimensions (W x H x D): 1060 x 753 x 132 mm
- Set dimensions (W x H x D): 950 x 552 x 33 mm
- Set dimensions with stand (W x H x D): 950 x 626 x 193 mm
- Product weight: 12 kg
- Product weight (+stand): 14.3 kg
- Weight incl. Packaging: 18 kg
- VESA wall mount compatible: 400 x 400 mm

Accessories
- Included accessories: 4x Passive 3D Glasses, Remote Control, 2 x AA Batteries, Tabletop swivel stand, Power cord, Quick start guide, Legal and safety brochure
- Optional accessories: Philips TV camera PTA317, 3D glasses PTA417, 3D glasses Game kit PTA436

* MyRemote app and related functionalities varies per TV model and country, as well as smart device model and OS. For more detail, please visit: www.philips.com/TV.
* For smart TV app, visit www.philips.com/TV to discover the services offering in your country
* Cloud TV offering depends on country availability and regulations
* Compatibility depends on Wifi Miracast certification & Android 4.2 or later. For more details please refer to your device documentation.
* USB recording for digital channels only, recordings may be limited by broadcast copy protection (CI+). Country and channel restrictions may apply.
* Philips TV camera (PTA317) is sold separately.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
* EPG and actual visibility (up to 8 days) is country and operator dependent.
* (Philips) only compatible with specific Philips player device.

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